

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004147**Date Inspected:** 24-Sep-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Jeff Chen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG and Tower**Summary of Items Observed:**

On this date, Caltrans Office of Structure Materials (OSM) Quality Assurance Inspector (QA) Raymond Lara was present at jobsite in Zhenhua Port Machinery Company facility on Changxing Island, China for the purpose of observing and monitoring the fabrication of the Tower and OBG.

Bay Sub-Assembly

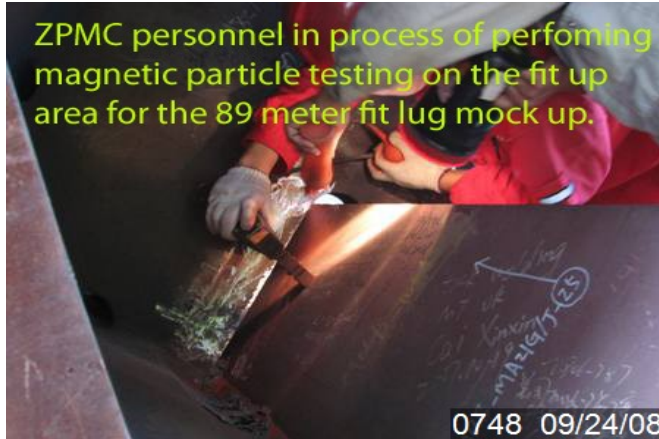
The Quality Assurance Inspector performed Ultrasonic Testing (UT), prescreening, on completed Partial Joint Penetration (PJP) groove welds, tack weld areas only, on Deck Panel DP037-001. The prescreening is in effort to determine the condition of said tack welds for compliance with project specifications. Numerous indications indicative of cracks were located and the data was forwarded to structural materials representative Peter Dautermann for future review.

Tower Mock UP Area

The Quality Assurance Inspector observed ZPMC personnel perform magnetic particle inspection on the fit up area of the 89 meter fit lug mock up. ZPMC personnel informed the Quality Assurance Inspector not indications were discovered in the base metal and are ready to fit the lug onto the fit up area. The Quality Assurance Inspector for informational purposes only performed a random magnetic particle test on the base metal. The fit up area appeared to be free of indications.

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Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco 138-1694-2685, who represents the Office of Structural Materials for your project.

Inspected By:	Lara, Raymond	Quality Assurance Inspector
Reviewed By:	Lanz, Joe	QA Reviewer
